

?file pluspat

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.
Comprehensive Worldwide Patents database
New Patent Citation Commands & FAM Citation Report - see INFO PATCITE
Announcing enhanced searchability of Relevancy Codes in Search Reports
for EP, WO and FR patents. For more details see below and on QO website
-To retrieve set of high relevancy X coded cited patents, use xctx=yes
-To extract cited patents with only high relevancy code, use mem/xctx
Last update of file: 2004/09/08 (YYYY/MM/DD) 2004-36/UP (basic update)

Search statement 1

?us4985585/pn

** SS 1: Results 1

Search statement 2

?prt full legalall max

1/1 PLUSPAT - (C) QUESTEL-ORBIT
PN - US4985585 A 19910115 [US4985585]
TI - (A) Phenoxyalkylcarboxylic acid derivatives and process for their
preparations
PA - (A) KYORIN SEIYAKU KK (JP)
PAO - Kyorin Pharmaceutical Company, Ltd., Tokyo [JP]
IN - (A) AWANO KATSUYA (JP); OHASHI MITSUO (JP); TANAKA TOSHIO (JP);
KIMURA TETSUYA (JP)
AP - US31390089 19890223 [1989US-0313900]
PR - JP5337488 19880307 [1988JP-0053374]
IC - (A) C07C-321/00
EC - C07C-147/10 C07C-008:00E
- C07C-147/14 C07C-008:00E
- C07C-149/36 C07C-008:00E
PCL - ORIGINAL (O) : 560009000; CROSS-REFERENCE (X) : 560011000 562426000
562429000
DT - Corresponding document
CT - US4507498; EP56172; GB2058785
- Burger, "Medicinal Chemistry," 2nd Ed. pp. 72-88 (1960).
STG - (A) United States patent
AB - Phenoxyalkylcarboxylic acid derivatives of the following formula,
(Chemical Structure image '1' not included in text) wherein R1
indicates hydrogen atom, methyl group or ethyl group, m is an integer
from 2 to 5, and n is an integer from 3 to 8, X1 and X2 each
independently represent sulfur atom, oxygen atom, sulfinyl group or
sulfonyl group, proviso X1 and X2 are not simultaneously oxygen atom;
their alkali salts and hydrates thereof are useful as antiallergic
agents.

1/1 LGST - (C) EPO

PN - US4985585 A 19910115 [US4985585]
AP - US31390089 19890223 [1989US-0313900]
ACT - 19901029 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: KYORIN PHARMACEUTICAL CO., LTD., NO. 5, KANDA SURU; EFFECTIVE
DATE: 19890217
- 19901029 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: OHASHI, MITSUO; EFFECTIVE DATE: 19890217
- 19901029 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: AWANO, KATSUYA; EFFECTIVE DATE: 19890217
- 19901029 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: TANAKA, TOSHIO; EFFECTIVE DATE: 19890217
- 19901029 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: KIMURA, TETSUYA; EFFECTIVE DATE: 19890217
- 19930921 US/CC-A
CERTIFICATE OF CORRECTION
- 20040706 US/RF-A

Searched by Noble Jarrell

REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030721

UP - 2004-28

1/1 CRXX - (C) CLAIMS/RRX
AN - 2111927
PN - 4,985,585 A 19910115 [US4985585]
PA - Kyorin Pharmaceutical Co Ltd JP
PT - C (Chemical)
ACT - 20030721 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20040706
REISSUE REQUEST NUMBER: 10/622589
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 1614

Reissue Patent Number:

UP - 2004-28
UACT- 2004-07-06

1/1 LITA - (C) Thomson Derwent
AN - P2004-07-04
FS - PATENT (P)
PN - US4652755 19870324 (Utility)
TI - Method & apparatus for analyzing particle-containing gaseous suspensions
PCL - 250341000
IN - Solomon Peter R - West Hartford CT;
- Carangelo Robert M - Coventry CT;
- Best Philip E - Mansfield CT
PA - Advanced Fuel Research Incorporated - East Hartford CT
IT - Radiant energy
PF - Gas Research Institute
DF - Advance Fuel Research Incorporated, et al
CT - IL, Northern Dist.
DN - 04c128
FD - 2004-01-09
ACT - A complaint was filed.
OPN - US4985585
- US4824790
- US5136154
- US5170223
- US5196902
- US5239488
- US5285167
- US5349438
UP - 2004-07

Search statement 2

?

LexisNexis™ Total Research System

Search | **Research Tasks** | **Search Advisor** | **Get a Document** | **Shepard's®**

Sources | **Guided Search Forms** | **Command Searching**

[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)

[Practice Area Pages](#) | [ECLIPSE](#) | [History](#) | [Print](#)

Command Searching > Utility, Design and Plant Patents

Enter Search Terms

☒ **Terms and Connectors** ☐ **Natural Language**

patno=4985585

[Suggest Terms
for My Search](#)

[Search](#)

Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.

Select a Segment

Add ↑

Restrict by Date:

☒ **No Date Restrictions** ☐ From To [Date Formats...](#)

Search Connectors

Use connectors between search terms. Use a connector for deletion. Use a connector to add.

Syntax	Definition
and	and
or	or
w/N	within
not w/N	not within
pre /N	preceding
w/p	in same paragraph
not w/p	not in same paragraph
w/seg	in same segment
not w/seg	not in same segment
w/s	in same sentence
not w/s	not in same sentence
and not	and not
	View

Search | **Research Tasks** | **Search Advisor** | **Get a Document** | **Shepard's®**
[Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Practice Area Pages](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

109C25

Print Request: Current Document: 1

Time of Request: September 15, 2004 09:04 AM EDT

Number of Lines: 30

Job Number: 1841:11510748

Client ID/Project Name:

Research Information:

Utility, Design and Plant Patents
patno=4985585

Send to: JARRELL, NOBLE
PATENT & TRADEMARK OFFICE
1911 S CLARK ST
ARLINGTON, VA 22202-3503

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

4985585

[Link to Claims Section](#)

January 15, 1991

Phenoxyalkylcarboxylic acid derivatives and process for their preparations

INVENTOR: Ohashi, Mitsuo - Ohmiya, Japan (JP); Awano, Katsuya - Oyama, Japan (JP); Tanaka, Toshio - Tochigi, Japan (JP); Kimura, Tetsuya - Tochigi, Japan (JP)

APPL-NO: 313900 (07)

FILED-DATE: February 23, 1989

GRANTED-DATE: January 15, 1991

ENGLISH-ABST:

Phenoxyalkylcarboxylic acid derivatives of the following formula, ##STR1## wherein R.sup.1 indicates hydrogen atom, methyl group or ethyl group, m is an integer from 2 to 5, and n is an integer from 3 to 8, X. sup.1 and X.sup.2 each independently represent sulfur atom, oxygen atom, sulfinyl group or sulfonyl group, proviso X.sup.1 and X.sup. 2 are not simultaneously oxygen atom; their alkali salts and hydrates thereof are useful as antiallergic agents.

LexisNexis™ Total Research System

Search | **Research Tasks** | **Search Advisor** | **Get a Document** | **Shepard's®**

Sources | **Guided Search Forms** | **Command Searching**

[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)

[Practice Area Pages](#) | [ECLIPSE](#) | [History](#) | [Help](#)

Command Searching > Patent Cases from Federal Courts and Administrative Materials

Enter Search Terms

☒ **Terms and Connectors** ☐ **Natural Language**

4985585 or 4,985,585

[Suggest Terms
for My Search](#)

[Search](#)

Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.

Select a Segment

Add ↑

Restrict by Date:

☒ **No Date Restrictions**

☐ From

To

[Date Formats...](#)

Search Connectors

Use connectors between search terms. Use a connector for deletion. Use a connector to add.

Syntax	Definition
and	and
or	or
w/N	within
not w/N	not within
pre /N	preceding
w/p	in same paragraph
not w/p	not in same paragraph
w/seg	in same section
not w/seg	not in same section
w/s	in same sentence
not w/s	not in same sentence
and not	and not
	View

[Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#)
[Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Practice Area Pages](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

No Documents Found!

No documents were found for your search (**4985585** or **4,985,585**). Click the "Edit Search" button below to try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

[Edit Search](#)

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

LexisNexis™ Total Research System

Search | **Research Tasks** | **Search Advisor** | **Get a Document** | **Shepard's®** | **Practice Area Pages** | **ECLIPSE** | **History** | **Sources** | **Guided Search Forms** | **Command Searching**

[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)

[Practice Area Pages](#) | [ECLIPSE](#) | [History](#) | [Help](#)

Command Searching > Patent, Trademark & Copyright Periodicals, Combined

Enter Search Terms

☒ **Terms and Connectors** ☐ **Natural Language**

4985585 or 4,985,585

[Suggest Terms
for My Search](#)

Search

Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.

Select a Segment

Add ↑

Restrict by Date:

☒ **No Date Restrictions** ☐ From To [Date Formats...](#)

Search Con

Use connectors between search connector for de connector to add

Syntax **Defi**
 and and
 or or
 w/N with
 not w/N not v
 pre /N prec
 w/p in sa
 not w/p not il
 w/seg in sa
 not w/seg not il
 w/s in sa
 not w/s not il
 and not and i
 View

Search | **Research Tasks** | **Search Advisor** | **Get a Document** | **Shepard's®**
[Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Practice Area Pages](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

No Documents Found!

No documents were found for your search (**4985585** or **4,985,585**). Click the "Edit Search" button below to try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

[Edit Search](#)

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.


[Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#)
[Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Practice Area Pages](#) | [ECLIPSE](#) | [History](#) | [Sources](#) | [Guided Search Forms](#) | [Command Searching](#)
[Command Searching](#) > [News, All \(English, Full Text\)](#)

Enter Search Terms

☒ [Terms and Connectors](#) ☐ [Natural Language](#)

[Suggest Terms
for My Search](#)

Restrict by Segment:

Select a segment, enter search terms for the segment, then click Add.

Restrict by Date:

☒ [No Date Restrictions](#)
☐ [From](#)

[To](#)

[Date Formats...](#)

Search Connectors

Use connectors between search terms. Use a connector for deletion. Use a connector to add.

Syntax	Definition
and	and
or	or
w/N	within
not w/N	not within
pre /N	preceding
w/p	in the same paragraph
not w/p	not in the same paragraph
w/seg	in the same section
not w/seg	not in the same section
w/s	in the same sentence
not w/s	not in the same sentence
and not	and not
View	

[Search](#) | [Research Tasks](#) | [Search Advisor](#) | [Get a Document](#) | [Shepard's®](#) | [Eclipse™](#) | [History](#) | [Delivery Manager](#) | [Practice Area Pages](#) | [Switch Client](#) | [Preferences](#) | [Feedback](#) | [Sign Off](#) | [Help](#) | [About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

No Documents Found!

No documents were found for your search (**4985585** or **4,985,585**). Click the "Edit Search" button below to try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

Edit Search

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2004 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.



Cases with links by court:

Select a District court... 

OR

Cases by patent number (No Charge!):

4,985,585

Client Matter:

Client Notes:

Click [here](#) for patent format rules.



"Be among the first to know" of any new developments in this case.
Automatically **TRACK** the docket shown below.

Update!

Track!

Order Documents

E-Mail Docket

Add to Docket Cart

Online Docket Sheet

This docket is being updated. You will be notified by e-mail when the updated docket has arrived.

If you would like to watch the status of this docket as it updates [click here](#).

Rulings for this case may be available online. [Click here to view available rulings](#).

To view the patents at issue in this case, [click here](#). (No charge!)



Documents for this case may be available online.
By updating the case, we will be able to determine if documents are available.

US District Court Civil Docket

US District Court for the Northern District of Illinois
(Chicago)

1:04cv128

Gas Research Inst v. ADV Fuel Tech, et al

This case was retrieved from the court on Friday, May 21, 2004

Date Filed: 01/09/2004
Assigned To: Honorable Matthew F Kennelly
Referred To:
Nature of suit: Patent (830)
Cause: Fed. Question: Trademark
Lead Docket: None
Other Docket: None
Jurisdiction: Federal Question

Class Code: DENLOW
A0279
Closed: No
Statute: 28:1331
Jury Demand: Plaintiff
Demand
Amount: \$0

Litigants

Gas Research Institute, an Illinois Not-for-Profit Corporation
PLAINTIFF

Attorneys

Mark Daniel Roth
[COR LD NTC A]
Dvorak & Orum
53 West Jackson Boulevard
Suite 1616
Chicago, IL 60604
USA
(312) 922-6262

Diana Kenney Langmar
[COR]
Orum & Roth
53 West Jackson Boulevard
Suite 1616

Chicago , IL 60604
USA
(312) 922-6262

v.

Advanced Fule Technology Research, Inc
DEFENDANT

John A Culver
[COR LD NTC A]
McKenna, Storer, Rowe, White & Farrug
33 North Lasalle Street
Suite 1400
Chicago , IL 60602-2610
USA
(312)558-3900

Terry Alan Fox
[COR LD NTC]
McKenna, Storer, Rowe, White & Farrug
33 North Lasalle Street
Suite 1400
Chicago , IL 60602-2610
USA
(312)558-3900

Justin L Terry
[COR]
McKenna, Storer, Rowe, White & Farrug
33 North Lasalle Street
Suite 1400
Chicago , IL 60602-2610
USA
(312)558-3900

On-Line Technology, Inc
DEFENDANT

David C Van Dyke
[COR LD NTC A]
Cassiday, Schade & Gloor
20 North Wacker Drive
Suite 1040
Chicago , IL 60606-2903
USA
(312) 641-3100

Yaro M Melnyk
[COR]
Cassiday, Schade & Gloor
20 North Wacker Drive
Suite 1040
Chicago , IL 60606-2903
USA
(312) 641-3100





MKS Instruments, Inc
DEFENDANT

David C Van Dyke
[COR LD NTC A]
Cassiday, Schade & Gloor
20 North Wacker Drive
Suite 1040
Chicago , IL 60606-2903
USA
(312) 641-3100

Yaro M Melnyk
 [COR]
Cassiday, Schade & Gloor
 20 North Wacker Drive
 Suite 1040
 Chicago , IL 60606-2903
 USA
 (312) 641-3100

Date	#	Proceeding Text
01/09/2004	1	COMPLAINT; jury demand - Civil cover sheet - Appearance(s) of Diana Kenney Langmar, Mark Daniel Roth as attorney(s) plaintiff (2 original and 2 copies summons(es) issued.) (Documents: (1-1 through 1-3)) [Date Entered: 01/12/04, By: gy]
01/09/2004	--	RECEIPT regarding payment of filing fee paid; on 1/9/04 in the amount of \$ 150.00, receipt # 10417170. [Date Entered: 01/12/04, By: gy]
01/09/2004	--	MAILED Patent report to Commissioner of Patents and Trademarks Washington D.C. 20231. [Date Entered: 01/20/04, By: gy]
01/27/2004	--	SCHEDULE set on 1/27/04 by Hon. Matthew F. Kennelly : Status hearing set to 9:00a.m. on 3/4/04 , before Judge Kennelly in Chambers, room 2188. Parties are to review and comply with the attached standing order. Counsel for plaintiff(s) are ordered to cause a copy of this order to be delivered forthwith to each defendant in the same manner that has been or is being served on each defendant. Mailed notice [Date Entered: 01/27/04, By: or]
02/23/2004	2	JATTORNEY APPEARANCE for defendant by Terry Alan Fox; Notice. [Date Entered: 02/24/04, By: gy]
02/23/2004	3	MOTION by Adv Fuel Tech for enlargement of time ; Notice. [Date Entered: 03/04/04, By: gy]
02/26/2004	4	MINUTE ORDER of 2/26/04 by Hon. Matthew F. Kennelly : Defendant's motion for enlargement of time is granted [3-1]. Defendant's response to the complaint and disclosure statement are to be filed by 03/25/04. No further extensions. Mailed notice [Date Entered: 03/04/04, By: gy]
03/04/2004	--	SCHEDULE set on 3/4/04 by Hon. Matthew F. Kennelly : Status hearing pursuant to Rule 16(b) held with attorneys for both sides. Status hearing is continued to 3/31/04 at 9:00 am. Plaintiff is directed to notify all defendants of the new date. All defendants are to participate. Mailed notice [Date Entered: 03/08/04, By: or]
03/29/2004	11	MOTION by defendant for leave to file amended exhibits (Attachments); Notice. [Date Entered: 04/14/04, By: gy]
03/30/2004	5	ATTORNEY APPEARANCE for Adv Fuel Tech by John A. Culver, Justin L. Terry; Notice. [Date Entered: 03/31/04, By: gy]
04/01/2004	6	MOTION by Adv Fuel Tech to dismiss pursuant to Fed.R.Civ.PRO. Rule 12 (b)(2) or, alternatively for transfer pursuant to 28 U.S.C. 1404 (Attachments); Notice. [Date Entered: 04/05/04, By: gy]
04/01/2004	7	MEMORANDUM by Adv Fuel Tech in support of its motion to dismiss pursuant to Fed.R.Civ.PRO. Rule 12(b)(2) [6-1], motion for transfer pursuant to 28 U.S.C. 1404/1406 [6-2]. [Date Entered: 04/05/04, By: gy]
04/01/2004	8	STATEMENT by Advanced Fuel Research, Inc's statement pursuant to Fed.R.Civ.Pro.Rule 7.1(a). [Date Entered: 04/05/04, By: gy]
04/01/2004	10	MINUTE ORDER of 4/1/04 by Hon. Matthew F. Kennelly : Defendant's motion to dismiss or in the alternative to transfer is entered and continued to 5/5/04 at 9:00 a.m., at which time the Court will set a briefing schedule on

themotion. Mailed notice [Date Entered: 04/05/04, By: gy]

- 04/02/2004  9 MINUTE ORDER of 4/2/04 by Hon. Matthew F. Kennelly : The date for defendants On-Line and MKS to respond to the complaint is extended to 5/8/04. Mailed notice [Date Entered: 04/05/04, By: gy]
- 04/13/2004  12 MINUTE ORDER of 4/13/04 by Hon. Matthew F. Kennelly : Defendant's motion for leave to file amended exhibits is granted [11-1]. Mailed notice [Date Entered: 04/14/04, By: gy]
- 04/13/2004 13 AMENDED EXHIBIT 3 by Adv Fuel Tech; Notice. [Date Entered: 04/14/04, By: gy]
- 05/03/2004  14 ATTORNEY APPEARANCE for defendants by David C. Van Dyke, Yaro M. Melnyk. [Date Entered: 05/04/04, By: gy]
- 05/05/2004  15 MINUTE ORDER of 5/5/04 by Hon. Matthew F. Kennelly : Telephone conference held with attorneys for all parties. Rule 26(a)(1) disclosures are to be made by 6/1/04. Deadline for amending pleadings and adding parties is 9/30/04. Fact discovery ordered closed 11/4/04. Rule 26(a)(2) disclosures are due by 11/1/04 for plaintiff and 12/1/04 for defendants. Expert discovery ordered closed 1/21/05. Response to motion to dismiss is to be filed by 6/22/04. Reply is to be filed by 7/12/04. No further extensions. Ruling on motion to dismiss or to transfer and status hearing set for Status hearing for 8/2/04 at 9:30 a.m. Mailed notice [Date Entered: 05/06/04, By: gy]

Copyright © 2004 LexisNexis CourtLink, Inc. All rights reserved.
 *** THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY ***

 View Current Charges

 Pricing

 Case Results

 Docket Cart

 my CourtLink

 Log Out

US District Court Civil Docket
US District Court for the Northern District of Illinois
(Chicago)

1:04cv128

Gas Research Inst v. ADV Fuel Tech, et al

Patent Number	Patent Title	Issue Date
<u>4,652,755</u>	Method and apparatus for analyzing particle-containing gaseous suspensions	3/24/1987
<u>4,824,790</u>	System and method for thermogravimetric analysis	4/25/1989
<u>4,985,585</u>	Phenoxyalkylcarboxylic acid derivatives and process for their preparations	1/15/1991
<u>5,136,154</u>	Method and system for photoconductive detector signal correction	8/4/1992
<u>5,170,223</u>	Device for blocking of divergent radiation, as in spectroscopy and instrument and method utilizing same	12/8/1992
<u>5,196,902</u>	Two-beam interferometer apparatus and method, and spectrometer utilizing the same	3/23/1993
<u>5,239,488</u>	Apparatus and method for determining high temperature surface emissivity through reflectance and radiance measurements	8/24/1993
<u>5,285,167</u>	Method and apparatus for signal compression	2/8/1994
<u>5,349,438</u>	Structure for the dynamic support of a reflective element and interferometer comprising the same	9/20/1994

Copyright 2004 by CourtLink, Inc. All rights reserved.
THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY

False hit. Does not belong with other patents listed. It appears the patent ~~no~~ number may be USP 4,985,858,

1/25
9/22/04